

TITLE: System and method for voice commands recognition and controlling devices
wirelessly using protocol based communication

Inventor: Asim H. Abbasi

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(1)

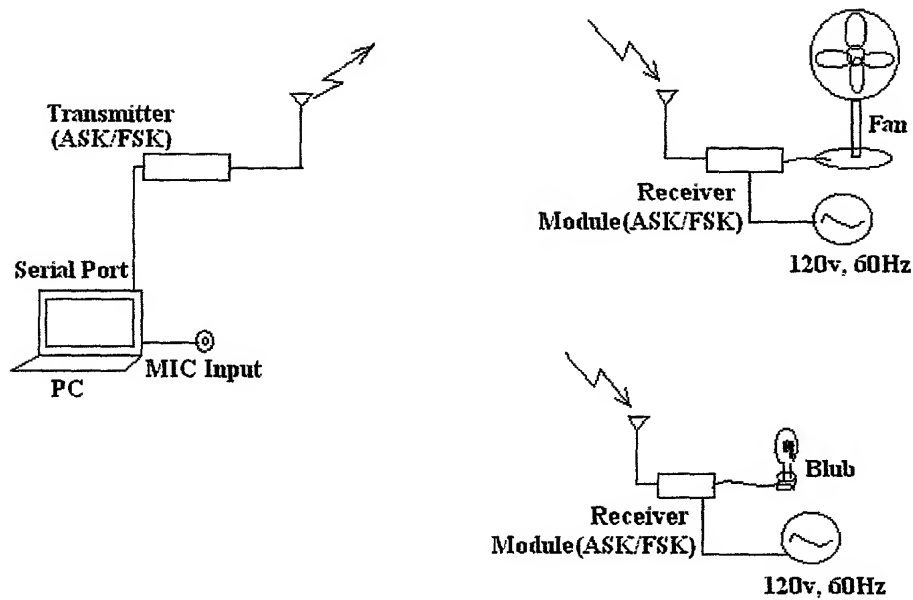


FIGURE 1: Hardware setup of the voice activated wireless control system. The wireless communication of single transmitter with multiple receiver units is based on a protocol.

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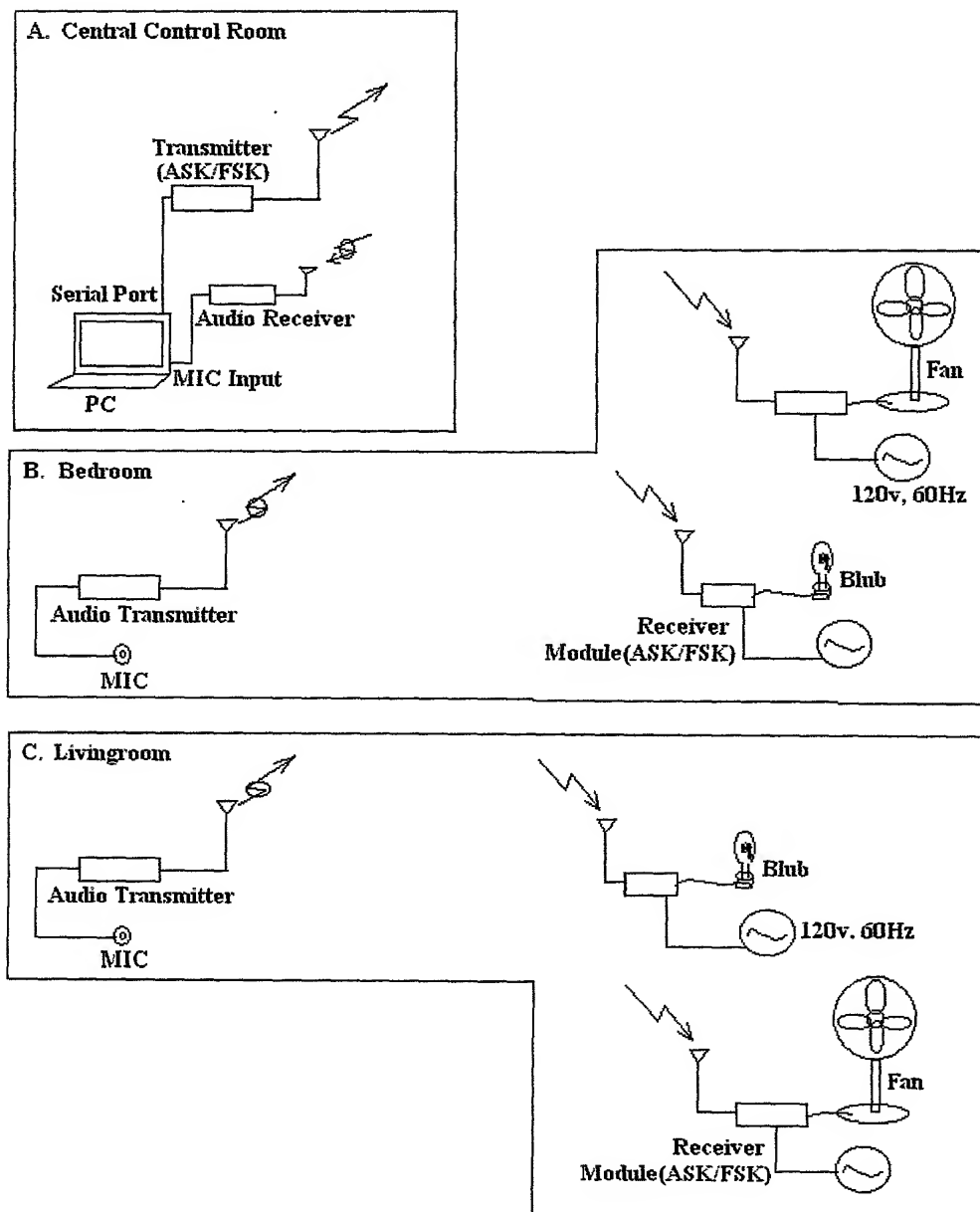


FIGURE 2: Extending the Network to complete home. Audio transmitter/receiver will work based on AM/FM technique whereas Digital transmitter/receiver will work based on ASK/FSK technique.

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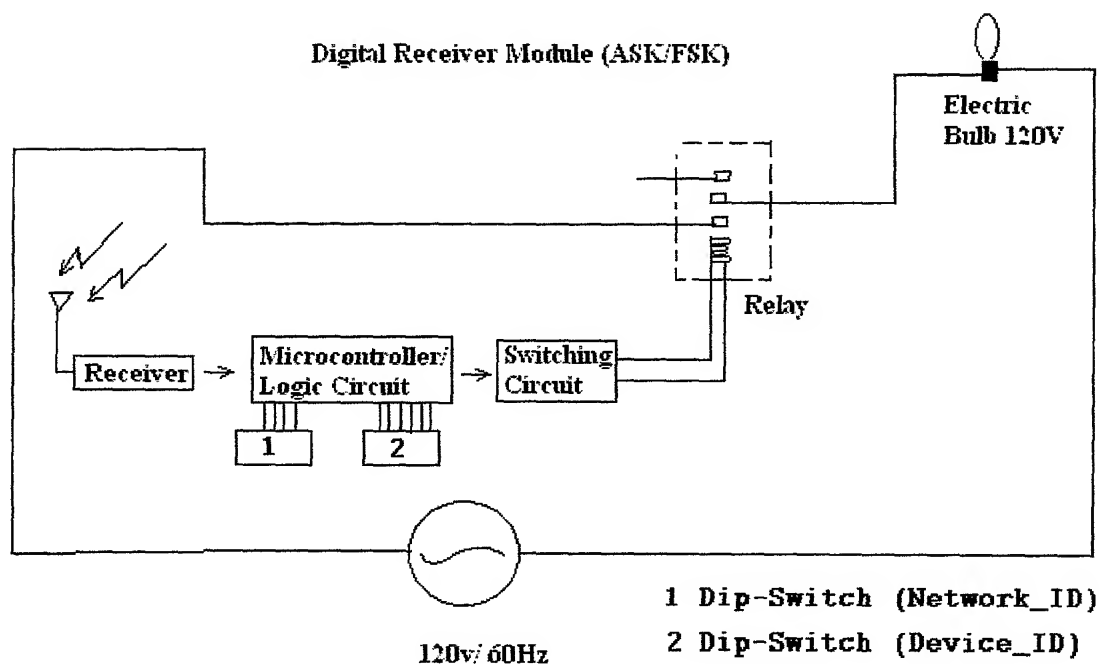


FIGURE 3: Digital Receiver Module schematic, shown attached with Electric bulb to be controlled.

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A.

Network_ID	Device_ID	Command
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B.

0011	11100011	0001
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FIGURE 4: The architecture of protocol used in the wireless communication of single transmitter with multiple receiver units attached with each device to be controlled.

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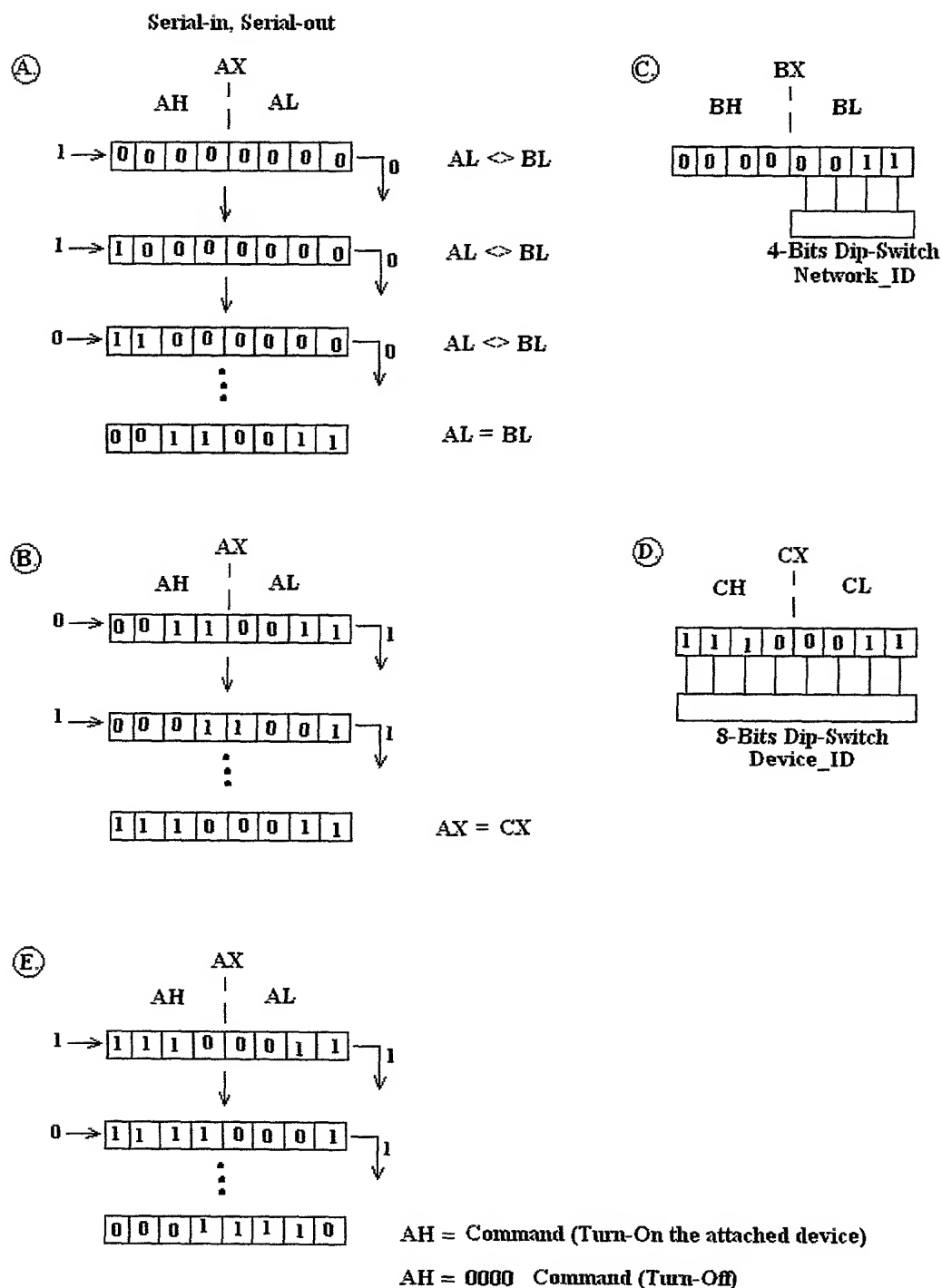


FIGURE 5: Working of Microcontroller to implement Protocol